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APPLICATION NO.	F	ILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/717,622	11/21/2003		Satoshi Takahashi	100353-00179	8618
4372	7590	04/01/2004		EXAMINER	
		NER PLOTKIN &	HOANG, HUAN		
1050 CONNECTICUT AVENUE, N.W. SUITE 400				ART UNIT	PAPER NUMBER
WASHINGT	ron, do	20036		2818	
		·		DATE MAILED: 04/01/200	4

Please find below and/or attached an Office communication concerning this application or proceeding.

	Application No.	Applicant(s)	
	10/717,622	TAKAHASHI, SATOSHI	
Office Action Summary	Examiner	Art Unit	
	Huan Hoang	2818	
The MAILING DATE of this communication			
Period for Reply A SHORTENED STATUTORY PERIOD FOR F THE MAILING DATE OF THIS COMMUNICAT - Extensions of time may be available under the provisions of 37 of after SIX (6) MONTHS from the mailing date of this communicat - If the period for reply specified above is less than thirty (30) days - If NO period for reply is specified above, the maximum statutory - Failure to reply within the set or extended period for reply will, by Any reply received by the Office later than three months after the	TION. CFR 1.136(a). In no event, however, may a ricion. 5, a reply within the statutory minimum of third period will apply and will expire SIX (6) MON y statute, cause the application to become AB	eply be timely filed y (30) days will be considered timely. THS from the mailing date of this communication. ANDONED (35 U.S.C. § 133).	
earned patent term adjustment. See 37 CFR 1.704(b).	g case of and communication, occur.	inoy maa, may recess any	
<u></u>			
1) Responsive to communication(s) filed on 2a) This action is FINAL . 2b) ≥	This action is non-final.		
2a) ☐ This action is FINAL . 2b) ☐ 3) ☐ Since this application is in condition for a closed in accordance with the practice un	llowance except for formal matt	•	
Disposition of Claims			
4) ☐ Claim(s) 1-8 is/are pending in the application 4a) Of the above claim(s) is/are with 5) ☐ Claim(s) 1-4 and 7 is/are allowed. 6) ☐ Claim(s) 5,6 and 8 is/are rejected. 7) ☐ Claim(s) is/are objected to. 8) ☐ Claim(s) are subject to restriction	thdrawn from consideration.		
Application Papers			
9) The specification is objected to by the Extended The drawing(s) filed on is/are: a) Applicant may not request that any objection Replacement drawing sheet(s) including the all of the oath or declaration is objected to by the specific sp	accepted or b) objected to to the drawing(s) be held in abeyar correction is required if the drawing	ce. See 37 CFR 1.85(a). s) is objected to. See 37 CFR 1.121(d).	
Priority under 35 U.S.C. § 119			
12) Acknowledgment is made of a claim for for a) All b) Some * c) None of: 1. Certified copies of the priority docu 2. Certified copies of the priority docu 3. Copies of the certified copies of the application from the International E * See the attached detailed Office action for	uments have been received. uments have been received in A e priority documents have been Bureau (PCT Rule 17.2(a)).	pplication No received in this National Stage	
Attachment(s) 1) M Notice of References Cited (PTO-892)	A) []	ummary (PTO-413)	
 Notice of References Cited (PTO-892) Notice of Draftsperson's Patent Drawing Review (PTO-9-3) Information Disclosure Statement(s) (PTO-1449 or PTO/Paper No(s)/Mail Date 	48) Paper No(s)/Mail Date formal Patent Application (PTO-152)	

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DETAILED ACTION

Claim Objections

1. Claim 6 is objected to because of the following informalities:

The word "bit" (claim 6, line 8) should be "bits". Appropriate correction is required.

Claim Rejections - 35 USC § 102

2. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

- (e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.
- 3. Claims 5, 6 and 8 are rejected under 35 U.S.C. 102(e) as being anticipated by Kawamura.

Kawamura discloses a nonvolatile semiconductor memory device having all the elements as recited in claims 5, 6 and 8 as follows:

a memory cell transistor which is configured to stored two bits at respective ends of an electric charge capturing film (second bit and third bit, column 6, lines 30-34); and

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a potential switching circuit which supplies a first drain potential (V(SD2)=0, column 7, line 39) to the memory cell transistor at a time of a read operation (column 7, line 33), and supplies a second drain potential (V(SD2=1.6V, column 13, line 12) higher than the first drain potential at a time of a write-verify operation (column 13, line 11).

Allowable Subject Matter

Claims 1-4 and 7 are allowed.

Claims 1-4 and 7 recite a nonvolatile semiconductor memory device and a method of writing in respect of a nonvolatile semiconductor memory device comprising a comparator which checks a data status by reading data of the first bit and a potential switching circuit which changes potential conditions for writing of the second bit in response to whether the data status is 0 or 1. The prior art does not teach or suggest the limitations recited in the above claims.

5. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Huan Hoang whose telephone number is (571) 272-1779. The examiner can normally be reached on Mon-Fri 8:30AM-5:00PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, David C Nelms can be reached on (571) 272-1787. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Huan Hoang Primary Examiner Art Unit 2818

HH 3/29/04.